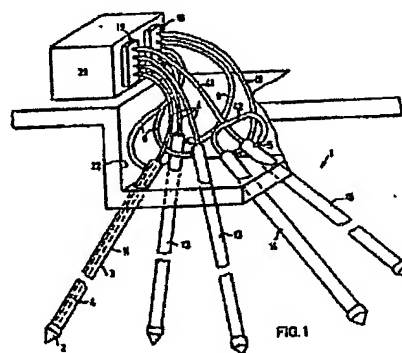


Earth collector of heat pumps and device for its manufacture

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Abstract of DE3114262

From a pit (22), earth probes (11-15) are driven in a stellar radial shape by a three-dimensional device which is guided longitudinally displaceably on a universally pivotably adjustable jib. Each earth probe (11-15) has an outer pipe (3) formed by individual screwed-together pipe lengths and an inner pipe (4) which is formed for example by a plastic tube and which in the case of the probes (11-13 and 15) is connected directly to the output distributor (19) of a heat pump (21), while the annular space between the two pipes is connected to the input distributor (18) by a connecting tube (6). The tubes (41, 42 and 61) make clear a series connection of the shorter and less deeply introduced earth probes (14, 15). Mounted at the free end of the outer pipes (3) is a displacement body (2) which has a slightly greater outer diameter than the outer pipe (3). The individual part lengths of the outer pipes (3) which are driven in by the three-dimensional device are connected by a slightly conical fine-pitch thread, the driving-in forces at one thread end being transmitted by a radial impact surface, while at the other end of the thread a contact is prevented and only a sealing ring is compressed in a given predetermined manner.



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